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Nucleotide Sequence

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Deduced Amino Acid Sequence

MSAEVIIHQVEEALDTDEKMLIFLCRDVAIDVVPPNVRDLDLDIRERGKLSVGDIALLYRVRREFDLIKRILKMDRIKAVE
THLLRNPHLVSDYRVLMAEIGEDLDKSDVSSLFLMKGDMGRGKISKEKSFLDLYVELEKLNLVAPDQLDLEKCLKNII
RIDLKTQTKIQQYKQSVQAGTSYRNVLQAAIQKSLKDPSNNFRLIHNGRSKEQRLIKEQLGAQQEPVKKSIQESEAFLPQSIP
EERYKMKSKPLIGICLIDCIGNETELLRDITFTSLGYEVQKFLHISMHGISQILGQFACMPHRDYDSFVCVLUVSRGGSQS
VYGVQDQTHSGLPLHHIRRMFMGDSCPYLAGKPKMFFIQNYVVSEGQLENSSLLLEVDGPMKVNVEFKAQKRGLCIVHREAD
FFWSLCTADMSLLEQSHSSPSLYLQCLSQKLQRQERKRPLLDLHIELNGYMYDWNSRVSAKEKYVWLQHTLRKKLILSYT
Z

FIG. 1B

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Nucleotide Sequence

Deduced Amino Acid Sequence

MSAEVIIQVEEALDTDEKEMLLFLCRDVAIDVVPPNVRDLILLDIIRERGRLSVGDLAELLYIVRRE.DLMRULKEKDRAVE
THLLRNPHLVSDRVILMAEIGEIDLDSVQSLIQLKPSNNFRMITPYAHCPDLKLIGNCMSZ
RIDLKTKIOKYKOSVOQAGTISYRNVLQQAIIQKSLKDP

FIG. 2

	1st DED module	2nd DED module
mcASHa	MAQSPVSAEVTHAVEECLDEDEKEEMFLCADYVITENLAAPNVRZL	MAELYYR
mcASHb	MSAEVTHAVEEALDTDEKEEMFLCADYVPPNVRZL	MAELYYR
mcASHa	MSAEVTHAVEEALDTDEKEEMFLCADYVPPNVRZL	MAELYYR
CASP-8	MDFSRNLIGEOLDSEOLASLKLFLSDYIPIRKOEPEKDALMFLFQALDEKEAMLEESNLSEFLKELEER	MAELYYR
CASP-10	MKSOGAHWYSSSDKNCKVSFEREKLLIDOSNLGVDQXENLKFCLCIGLYPKKLEKSSASDQYEEHILAEDELSEEEDPFFLAEELYYR	MAELYYR

FIG. 3A

સર્વ પ્રકૃતિ રૂપો ચન્દ્ર

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mCASHa I Q E S G A F L P P H I R E E T Y F W O S
 hCASHa I Q E S E A F L P Q S I P E E R Y K W K S
 CASP-8 S . E S Q T L D K V Y Q W K S
 CASP-10 L . E A L P R A A V Y R M N R
 CASP-3 ... S G I S L D N S Y K M D Y
 CASP-1 . RIWK Q K S A E I Y P I M . D K S S R T . R L A L I C N E E F D S
 mCASHa I Q E T F I S G Y H I I Q L F L F P K S H
 hCASHa I Q E L A D T F I S G Y E V Q K F L H L S M H
 CASP-8 S . E S K P R G Y C L I I N H H N F A K A R E K V P K L H S I R D A N G T H L D A G A L T T I F E E L L H F E I K P H D O C T . V
 CASP-10 L . E A N H R G I C V I V N H S F T S L K D R O G I T H K D A E I L S H Y F Q W L G F T V H I H N N V T K V
 CASP-3 ... S G P E M G L C J I N N K N F H K S T G M T S R S G I D D V D A A N L R E T F R N L K Y E V R A N K N D L T . R
 CASP-1 . RIWK I P R I B T G A E E D I T G M T M L L Q N L G Y S V D V K K N L I . A
 O

FIG. 3B

mCASHa DITQIVARRYASMAQ . H[D]OYDSF[ACVLYSL[GSSQSMM[GAD QVHSGGFS[DPHYKNMFT[GDTCP[SLRGKPKLFF[QNYESLGS 370
 hCASHa GISQI[LGOFACMPE . H[D]OYDSF[CVLYSB[GSSQS[VYGVQD QTHSGGLP[H][IRAMFMGOSCP[YLAGKPKMFF[QNYVVSEG 385
 CASP-8 EQIYEIWK[IYQLMD . HS[NMDCF[CC[LSHGDKG[IYQTD GQEQ . . . PIYELTSOFTGKLKCP[SLAGKPKVFF[QAO[GDN . 364
 CASP-10 EMEMVLQKQKCNPA . HADGDCF[VFCI[LTHGRFGAVYSSD EALI . . . PIREIWSHTALQCP[ALAEKP[KLFF[QAGQGE 362
 CASP-3 EEIVELMRDVSKEK . HS[KRSSE[VCVLLSHGEEQIIFGTN G-PV . . . DKKITNEAGDRICBSLT[GKPKLFF[QAGRT[E . 168
 CASP-1 SDMTTELEFAHRPEHKTS[SITFLVFMISHGIREGICGGKHSEQVVD . IL . . . QNALFNMLNTKNCP[SLKDKPKVIIQAGRGS . 268

mCASHa QLEDSS . LEVD GPSIKHVDSKPLQPRHCTTHPEADIFWSLCTADEVSHLEKPSSSSVY[QOK[ISQQL[KOGRA[R[P 442
 hCASHa OLENSSLLLEV[D GPAMKNEVFKAQKRGLC[VHREADFFWSLCTADMSLLEQSHSSPSL[YLOCL[SQKL[QER[KRP 438
 CASP-8 YQKGIPVETD SEEQPYLEMDLSPOTRYIPODEADFLLGMA[VNNCVSYRNPAEGIWY[QOSLCA[SLAERC[PRA . 435
 CASP-10 IOPSVSIEAD ALNPEQAPTSLODS IPAEDFLGLATVPGYVSFARIIVEGSWY[QOSLCHNHLKKLV[PRA . 429
 CASP-3 LDCCGIE[TD VDDOMACHK IPVEADFLAYSIAPGYYSMANNSKDGSWF[QOSLCA[MLKQYADK . 227
 CASP-1 ... PGVVWFKD[SVGVVSGNLSLPTT EFEDDAIKK AHIE[KDFIAFCSSSTPDNV[VSMBHPTMG[SIVF[IGRLIEHMQEYACS . 361

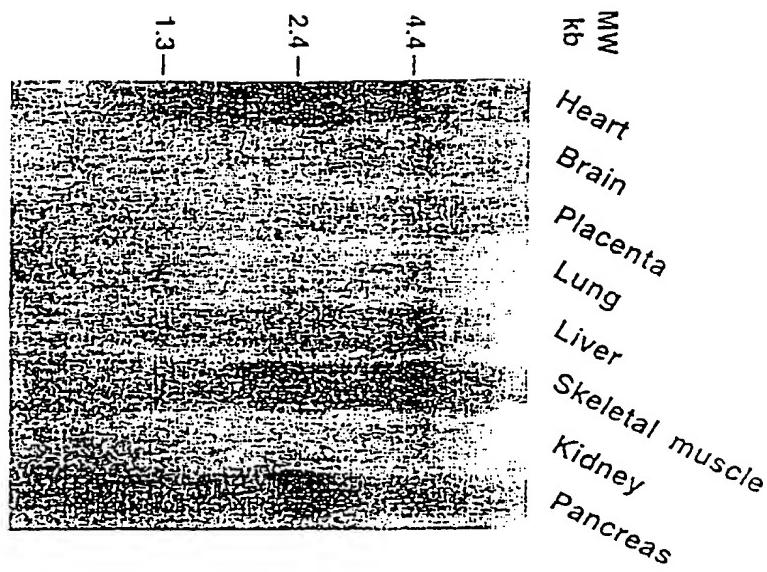
P20 → P16 → C → C

mCASHa LVDLHVELL . MDKVYAWNNSGVSSK EKYSLSLQ . HTLAKKL[LAPT*
 hCASHa LLDLHIELNGY . MYDWNNSRVSAM EKYVWVLQ . HTLAKKL[LSYT*
 CASP-8 GDDILITILEV . NYEVSNKDDKK NMGKQW[PQPT . FTLAKKL[FPSD*
 CASP-10 HEDILSILTAV . NDDVSARRVDKQ GTKKQW[PQPA . FTLAKKL[FPPVPLDALS*
 CASP-3 LEFMHILITAV . NRKVATEFESFSFDATFHAKKO[PCIV . SMLT[KELLYFYH*
 CASP-1 . CDVVEEJFRAKV . RFSFEQ . PD GRAQW[PITTERVT[TRCFYLFPGH*

FIG. 3C

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A



B

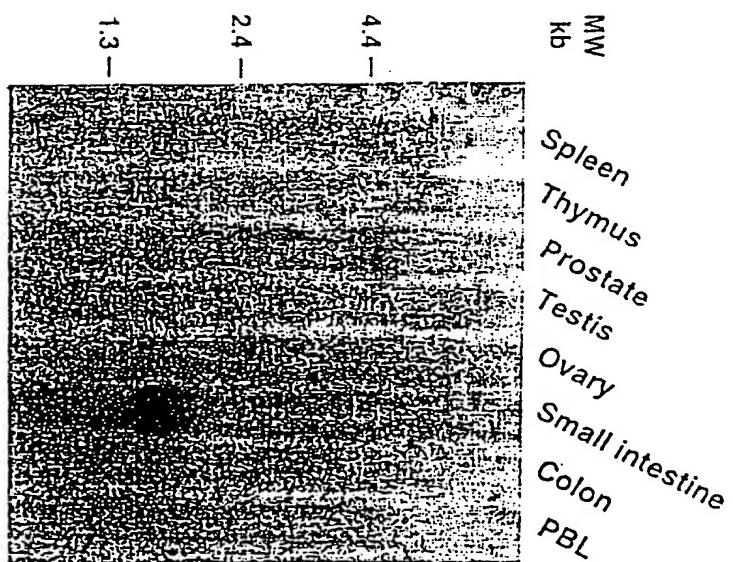


FIG. 4

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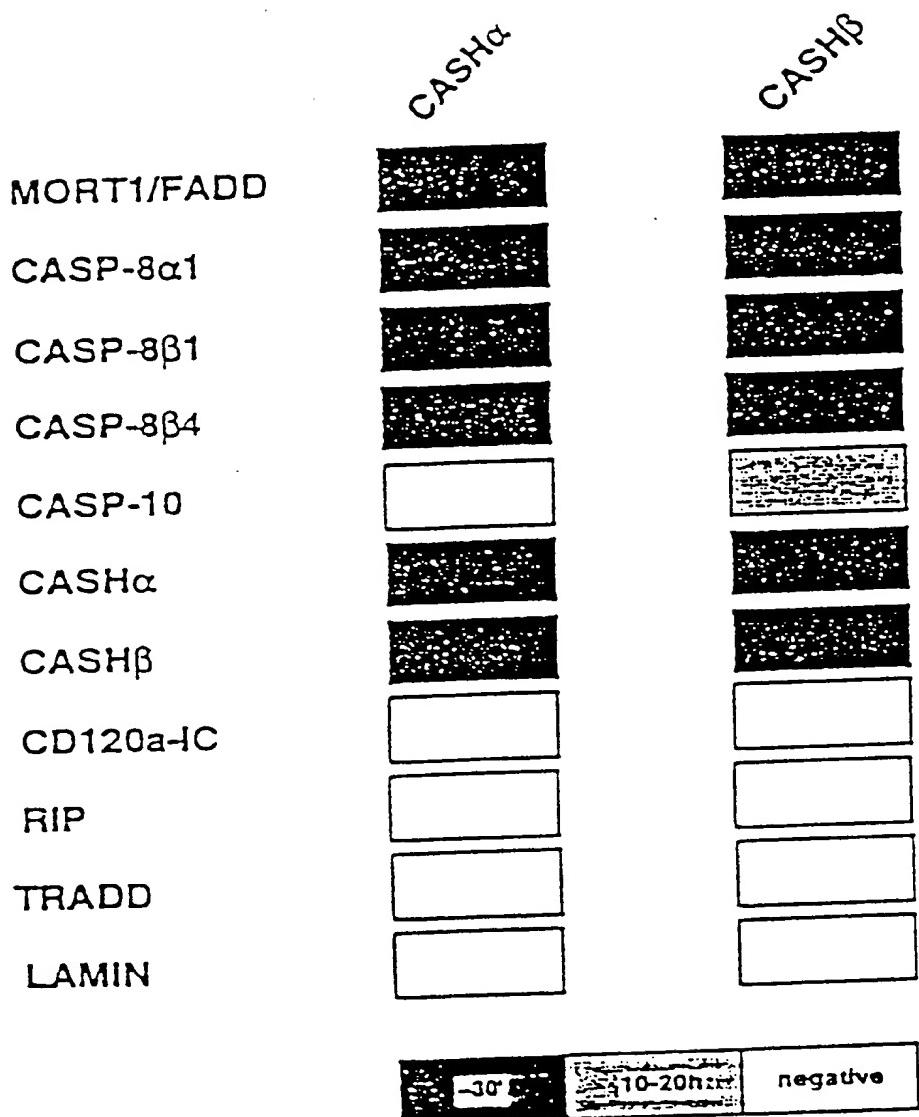


FIG. 5

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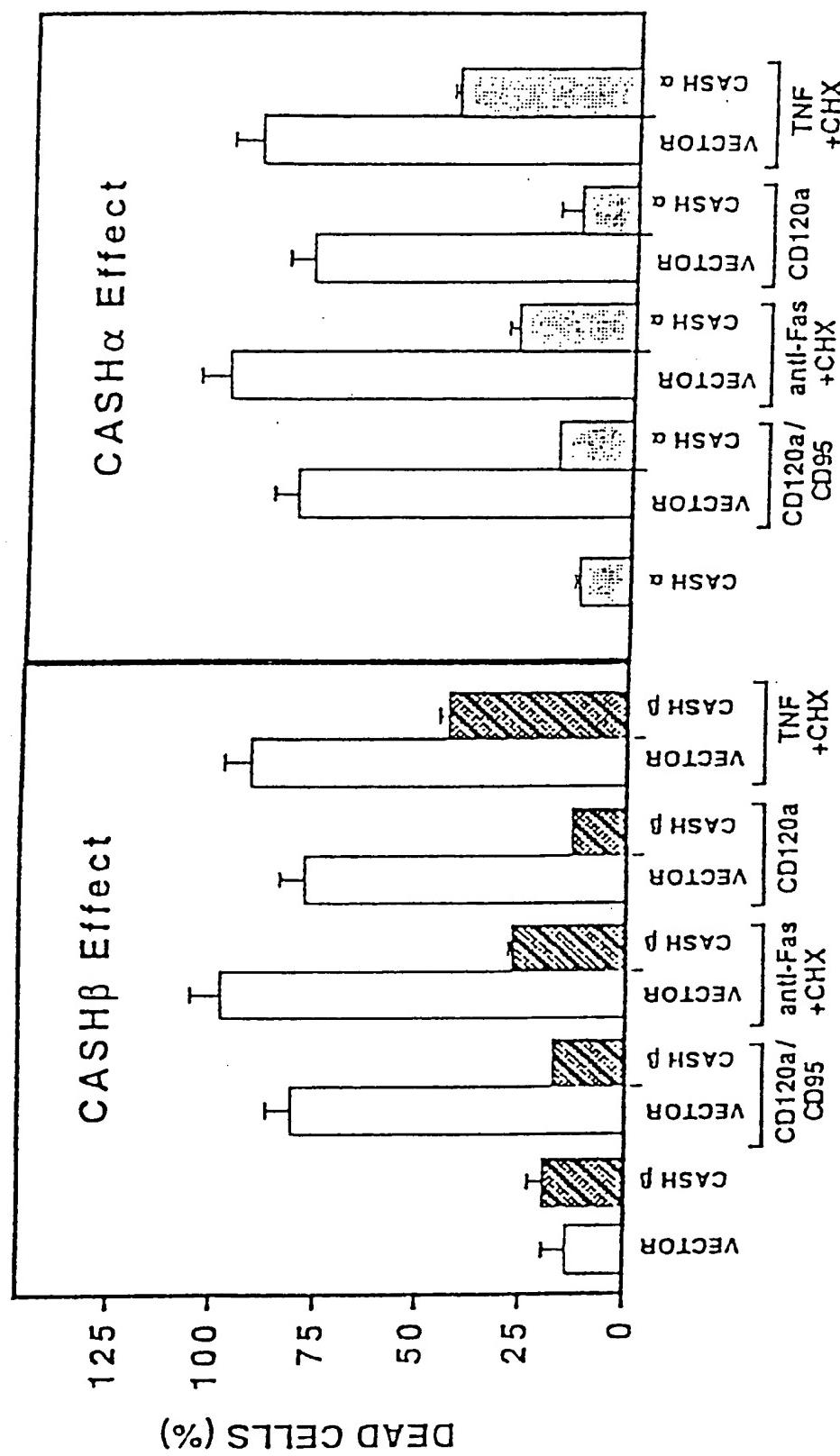
HeLa-Fas cells

FIG. 6A

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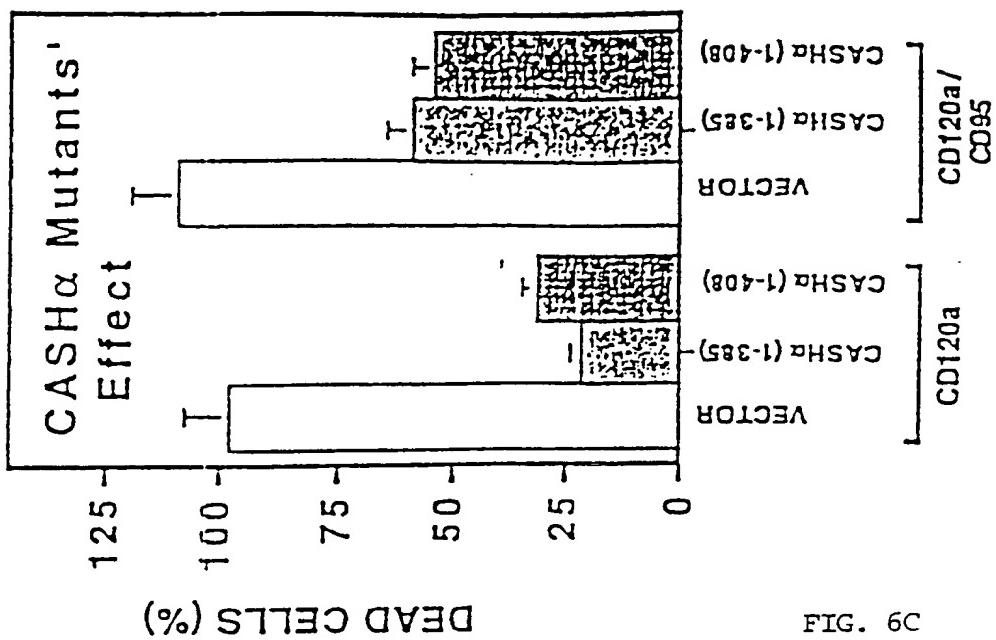


FIG. 6C

293-T cells

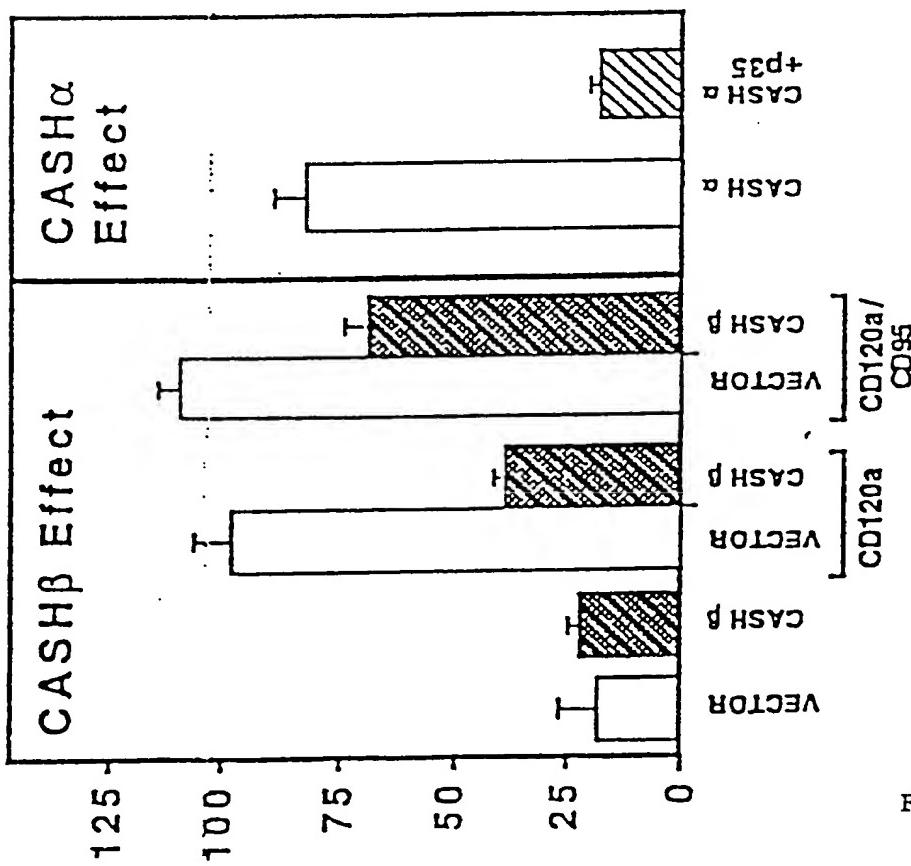


FIG. 6B

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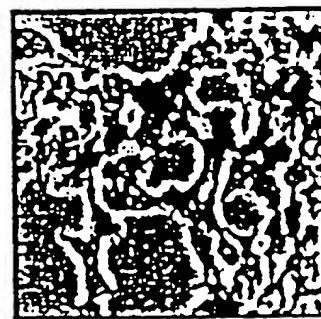
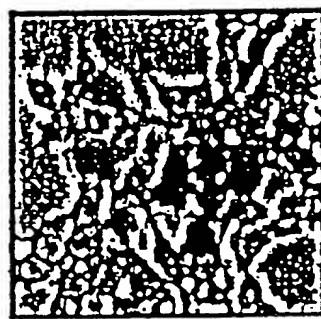
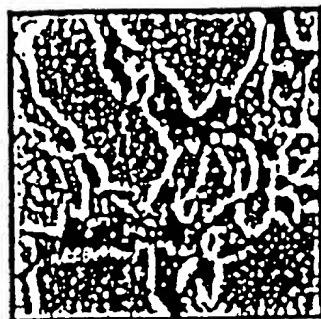
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293-T cells



CD120a + CASH α (1-4)

CD120a

CASH α

Vector

FIG. 6D